



Future trend

- Past and present tether material characteristics utilized to estimate, by linear regression, material developments 15 years from now
 - strength-to-weight ratio projected to increase by 70% by the year 2010
 - if substantiated it would imply a reduction of tether mass of a factor 2 for the single stage and 3 for the two stage
- This estimate may make single stage more attractive in the future than now
- Our LEO-to-GEO study based on today's tether material characteristics

